

**SECTION 02 41 19.13
SELECTIVE DEMOLITION**

ADDENDUM 2 - MARCH 19, 2009

PART 1 - GENERAL

1.1 DESCRIPTION

- A. Selective interior demolition including:
 - 1. Selective demolition of portions of buildings, partitions and building components indicated.
 - 2. Disconnecting and capping of designated existing utilities.
 - 3. Protection of adjacent areas and utilities not scheduled for demolition.
 - 4. Removal of debris and demolition material from site.

1.2 RELATED WORK

- A. Safety Requirements: Section 01001, GENERAL CONDITIONS, Article, ACCIDENT PREVENTION.
- B. Disconnecting utility services to demolition area prior to demolition: Section 01010, GENERAL REQUIREMENTS.
- C. Reserved items that are to remain the property of the Government: Section 01010, GENERAL REQUIREMENTS.

1.3 CONDITION AND ACCEPTANCE OF PREMISES

- A. Accept premises as found. Accept area and elements to be demolished upon execution of contract with Owner. No damage or loss shall relieve Contractor from obligation to complete Contract work.
- B. ~~Owner has contracted separately for removal of hazardous substances.~~
(ADD 2) Where the work of removal, demolition, cutting and similar work involves or encounters suspected hazardous substances or harmful physical agents such as friable asbestos, stop work and exercise extreme care to avoid damage and preserve safety of personnel. Immediately notify General Contractor so tests may be made to ascertain whether hazardous substances are present. Owner will pay for hazardous material removal and disposal, including isolation barriers, by competent and qualified personnel, unless hazardous substance or harmful physical agents have been generated or introduced by this Contractor.
- C. Portions of buildings indicated to be demolished will be vacated before start of work.

1.4 PROTECTION AND SAFETY

- A. Execute work in manner to prevent injury or damage to public or private property. Prevent damage from falling debris or other cause. Do not interfere with use of or free, safe passage to and from adjacent areas

or buildings. Comply with requirements of Section GENERAL CONDITIONS, Article, ACCIDENT PREVENTION.

- B. Furnish temporary sidewalks, barricades, temporary barriers, covers and other temporary structures necessary for the proper and safe conduct of work, or as required by law. Remove without additional compensation.
 - 1. Provide safeguards, including warning signs, warning lights, and other similar items required for protection of personnel and others during demolition and removal operations.
- C. Do not drop material from heights. Provide enclosed dust chutes with control gates from demolition site to carry debris to truck beds and govern flow of material into truck. Provide tight wood or metal overhead bridges at dust chutes to protect persons and property from falling debris.
- D. Prevent spread of flying particles and dust. Sprinkle rubbish and debris with water to keep dust to a minimum.
- E. Take precautions to prevent movement or settlement of adjacent construction and similar work; provide and place adequate bracing, shoring or supports. Be responsible for complete safety of nearby buildings and assume liability for damage, movement, settlement or similar injury resulting from operations or work under contract. If safety of nearby construction or other work appears endangered, stop work and take corrective or preventative measures to eliminate possibilities of damage, injury, settlement or movement. Conform to instructions from governing agency regarding safety, additional precautions, additional bracing or shoring and similar protective measures. Provide adequate support and carry to lower levels or grade as required to insure complete safety and prevent settlement.
 - 1. Exercise prudent operation with heavy equipment to prevent damage to adjacent existing buildings or areas.
- F. In addition to previously listed fire and safety rules to be observed in performance of work, include following:
 - 1. Wherever a cutting torch or other equipment that might cause a fire is used, provide and maintain fire extinguishers nearby ready for immediate use. Instruct possible users in use of fire extinguishers.
 - 2. Keep hydrants clear and accessible. Prohibit debris from accumulating within a radius of 4500-mm (15 feet) of fire hydrants.
- G. Provide protection for shrubs, trees, lawns, landscape work, adjacent buildings and equipment, walks and drives, and adjacent streets, both on and off property which are to remain.

1.5 QUALIFICATIONS

- A. Demolition Firm: Company specializing in performing work of this section with minimum 10 years documented experience.
- B. Design shoring and bracing under direct supervision of Professional Engineer experienced in design of this Work and licensed in State of Illinois.

1.6 PRE-DEMOLITION MEETING

- A. Convene minimum 1 week before starting work of this section. Notify Architect and Owner minimum 72 hours prior to meeting date and time.

1.7 SCHEDULING

- A. Schedule Work to precede new construction.
- B. Describe demolition removal procedures and schedule; indicate on schedule areas of demolition and areas where existing finishes are to be completely removed. Submit schedule to Owner and Architect.

1.8 PERMITS AND REGULATIONS

- A. Review and comply with national and state standards and regulations including, but not limited to, pollution control standards.
- B. Apply and pay for permits necessary to perform the work.
- C. Conform to applicable State Building Code and OSHA standards for demolition of structures, safety of adjacent structures, dust control, runoff control and disposal.

PART 2 - PRODUCTS**2.1 EQUIPMENT**

- A. Utilize appropriate equipment to obtain results expected, considering safety and expeditious methods and operations.
- B. The use of explosives is not permitted.

PART 3 - EXECUTION**3.1 PREPARATION**

- A. Document condition of adjacent construction indicated to remain. Photographically document existing building exterior before beginning demolition and after completing demolition.
 - 1. Identify photographs with date, time, orientation, and project identification.
- B. Call Local Utility Line Information service not less than three working days before performing Work. Comply with utility's requirements.
- C. Do not close or obstruct roadways or hydrants without permits and notifying Owner.
- D. Protect portions of building not scheduled to be demolished from damage.

E. Dust Barriers:

1. Conduct operations in a manner to exclude dust and elements from occupied portions of existing building.
2. Provide dust-tight enclosures.

3.2 EXAMINATION

- A. Examine existing construction indicated to be demolished before demolition.
- B. Determine where removals may result in structural deficiency or unplanned building collapse during demolition. Coordinate demolition sequence and procedures to prevent structures from becoming unstable.
- C. Determine where demolition may affect structural integrity or weather resistance of adjacent buildings indicated to remain.
- D. Identify measures required to protect buildings from damage.
- E. Identify remedial work including patching, repairing, bracing, and other work required to leave construction indicated to remain in structurally sound and weathertight and watertight condition.
- F. Dust Barriers: Coordinate with Owner.
 1. 2 by 4 wood studs spaced 16 inches o.c. with top and bottom wood plates.
 2. 1/2-inch particleboard with low-pressure laminate surface on occupied side. Tape joints on particleboard side. Calk along floor and ceiling. Provide flush door acceptable to Owner; paint to match laminate and weatherstrip to prevent dust passage. Use necessary means to prevent dust becoming a nuisance to users.

3.2 UTILITY LINES

- A. Shut off, cap, and otherwise protect existing public utility lines in accordance with the requirements of the public agency or utility having jurisdiction. Contact utility companies for approved methods of plugging and capping utility lines.
- B. Sewer and water servicing building areas to be demolished will be disconnected, sealed, and capped by Plumbing Contractor.
- C. Do not start demolition until services have been cut off, sealed, capped, removed or otherwise made inoperative by contractor or applicable utility company representative. Protect seals, caps, stubs or similar services to remain.

3.3 DEMOLITION

- A. Contract Documents indicate location and extent of demolition to be performed. Identify limits of selective demolition.

- B. Prepare and follow an organized plan for demolition and removal of items.
 - 1. Completely remove items scheduled or indicated to be demolished or removed, leaving existing surfaces within project area clean, solid, and ready to receive new materials specified elsewhere.
 - a. Completely remove items or portions of items found to contain mold or mildew.
 - 2. Comply with pertinent regulations of governmental agencies having jurisdiction.
- C. Execute this work in an orderly and careful manner with due consideration for building occupants and the public.
- D. Carefully remove items to be salvaged for reuse without damaging the items and store where directed. Package, wrap or provide other means of protection for items to prevent damage and loss of parts during period of storage.
- E. Demolish masonry in small sections; use bracing and shores where necessary to avoid collapse of structure.
- F. Remove partitions, heating apparatus, piping, and similar materials where indicated in areas to be remodeled.
- G. Perform other incidental and collateral work necessary to fully complete removal of building portions as indicated.
- H. Remove and legally dispose of materials in compliance with applicable federal or state permits, rules or regulations.
- I. Completely clean surfaces to remain, using cleaning agents approved by Owner, which will kill mold spores.

3.4 REPLACEMENTS

- A. In case of demolition of items not scheduled to be demolished, promptly replace such items to approval of Architect at no additional cost to Owner.

3.5 CLEANUP

- A. On completion of work of this section and after removal of debris, leave site in clean condition satisfactory to Owner.
- B. Remove debris, including brick, concrete, stone, metals and similar materials, rubbish, and other materials resulting from demolition operations as it accumulates. Demolition materials are property of Contractor. Do not store or sell removed materials at site.
- C. Dispose of items and materials not required to remain property of the Government as well as debris and rubbish resulting from demolition operations off site at an approved disposal facility, at no additional cost to Owner.

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